



HOBBS OCD

JUN 5 2019

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Cimarex

Lea County, NM (NAD 83)

(Mescalero Ridge) Sec21_T-19-S_R-34-E

Mescalero Ridge 21 Fed #1H

OWB

Design: AWB

Standard Survey Report

26 December, 2018



Company: Cimarex
Project: Lea County, NM (NAD 83)
Site: (Mescalero Ridge) Sec21_T-19-S_R-34-E
Well: Mescalero Ridge 21 Fed #1H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Mescalero Ridge 21 Fed #1H
TVD Reference: KB @ 3786.4usft (H&P 393)
MD Reference: KB @ 3786.4usft (H&P 393)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 10_13

Project	Lea County, NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	(Mescalero Ridge) Sec21_T-19-S_R-34-E		
Site Position:	Northing:	601,608.67 usft	Latitude: 32° 39' 5.423 N
From: Map	Easting:	778,398.76 usft	Longitude: 103° 33' 47.174 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.42 °	

Well	Mescalero Ridge 21 Fed #1H		
Well Position	+N/-S 0.0 usft	Northing: 601,608.67 usft	Latitude: 32° 39' 5.423 N
	+E/-W 0.0 usft	Easting: 778,398.76 usft	Longitude: 103° 33' 47.174 W
Position Uncertainty 0.0 usft	Wellhead Elevation: usft	Ground Level: 3,760.4 usft	

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/13/2018	6.83	60.44	48,044.36801290

Design	AWB				
Audit Notes:					
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0			
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.51	

Survey Program	Date 12/26/2018				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
205.0	10,450.0	Extreme MWD (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
10,507.0	15,630.0	Intrepid MWD (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
205.0	0.45	206.56	205.0	-0.7	-0.4	0.7	0.22	0.22	0.00
397.0	0.49	207.53	397.0	-2.1	-1.1	2.1	0.02	0.02	0.51
578.0	0.41	173.44	578.0	-3.5	-1.4	3.4	0.15	-0.04	-18.83
670.0	0.55	195.91	670.0	-4.2	-1.4	4.2	0.25	0.15	24.42
762.0	0.39	209.72	762.0	-4.9	-1.7	4.9	0.21	-0.17	15.01
947.0	0.54	216.94	947.0	-6.1	-2.6	6.1	0.09	0.08	3.90
1,136.0	0.58	211.67	1,136.0	-7.7	-3.6	7.6	0.03	0.02	-2.79
1,231.0	0.62	199.45	1,231.0	-8.6	-4.0	8.5	0.14	0.04	-12.86
1,325.0	0.65	199.97	1,325.0	-9.5	-4.4	9.5	0.03	0.03	0.55



Microsoft
Survey Report



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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,514.0	0.60	223.60	1,513.9	-11.3	-5.4	11.2	0.14	-0.03	12.50
1,681.0	0.73	213.52	1,680.9	-12.8	-6.6	12.7	0.10	0.08	-6.04
1,799.0	0.75	219.10	1,798.9	-14.0	-7.5	14.0	0.06	0.02	4.73
1,894.0	0.67	207.29	1,893.9	-15.0	-8.2	14.9	0.18	-0.08	-12.43
1,989.0	0.73	68.96	1,988.9	-15.3	-7.8	15.2	1.38	0.06	-145.61
2,083.0	1.74	50.21	2,082.9	-14.1	-6.2	14.1	1.14	1.07	-19.95
2,178.0	1.78	54.76	2,177.8	-12.4	-3.9	12.3	0.15	0.04	4.79
2,273.0	1.78	53.38	2,272.8	-10.6	-1.5	10.6	0.05	0.00	-1.45
2,463.0	1.99	64.47	2,462.7	-7.5	3.9	7.5	0.22	0.11	5.84
2,557.0	2.03	65.46	2,556.6	-6.1	6.8	6.1	0.06	0.04	1.05
2,651.0	2.17	64.36	2,650.6	-4.6	10.0	4.7	0.15	0.15	-1.17
2,745.0	2.17	68.57	2,744.5	-3.2	13.2	3.3	0.17	0.00	4.48
2,934.0	2.67	68.72	2,933.3	-0.3	20.7	0.4	0.26	0.26	0.08
3,028.0	2.78	68.62	3,027.2	1.4	24.8	-1.1	0.12	0.12	-0.11
3,123.0	2.96	67.57	3,122.1	3.1	29.2	-2.9	0.20	0.19	-1.11
3,311.0	3.11	62.87	3,309.8	7.3	38.3	-7.0	0.15	0.08	-2.50
3,405.0	3.03	58.16	3,403.7	9.8	42.6	-9.4	0.28	-0.09	-5.01
3,500.0	2.97	52.10	3,498.6	12.6	46.7	-12.2	0.34	-0.06	-6.38
3,595.0	3.43	56.44	3,593.4	15.7	51.0	-15.3	0.55	0.48	4.57
3,689.0	4.83	67.03	3,687.2	18.8	57.0	-18.3	1.69	1.49	11.27
3,784.0	6.39	77.60	3,781.7	21.5	65.9	-20.9	1.96	1.64	11.13
3,878.0	7.83	81.38	3,875.0	23.6	77.3	-22.9	1.61	1.53	4.02
3,973.0	8.73	80.95	3,969.0	25.7	90.8	-24.9	0.95	0.95	-0.45
4,068.0	9.90	77.79	4,062.8	28.5	105.9	-27.6	1.34	1.23	-3.33
4,162.0	10.54	75.95	4,155.3	32.3	122.2	-31.3	0.76	0.68	-1.96
4,257.0	11.33	75.95	4,248.5	36.7	139.6	-35.5	0.83	0.83	0.00
4,351.0	12.92	73.73	4,340.4	41.9	158.7	-40.5	1.76	1.69	-2.36
4,445.0	13.67	74.52	4,431.9	47.8	179.5	-46.3	0.82	0.80	0.84
4,540.0	15.69	75.20	4,523.8	54.1	202.7	-52.4	2.13	2.13	0.72
4,634.0	16.12	75.36	4,614.2	60.6	227.6	-58.7	0.46	0.46	0.17
4,728.0	17.26	75.08	4,704.3	67.5	253.7	-65.4	1.22	1.21	-0.30
4,823.0	17.99	75.16	4,794.8	74.9	281.5	-72.5	0.77	0.77	0.08
4,917.0	17.50	75.99	4,884.3	82.0	309.3	-79.4	0.59	-0.52	0.88
5,011.0	16.79	75.84	4,974.2	88.8	336.2	-85.9	0.76	-0.76	-0.16
5,106.0	16.14	75.48	5,065.3	95.5	362.2	-92.4	0.69	-0.68	-0.38
5,200.0	15.36	74.56	5,155.7	102.1	386.9	-98.7	0.87	-0.83	-0.98
5,294.0	14.63	75.00	5,246.5	108.4	410.4	-104.9	0.79	-0.78	0.47
5,360.0	14.43	75.72	5,310.4	112.6	426.4	-109.0	0.41	-0.30	1.09
5,467.0	15.19	78.94	5,413.9	118.6	453.1	-114.7	1.05	0.71	3.01
5,562.0	19.57	89.14	5,504.5	121.2	481.2	-117.1	5.60	4.61	10.74
5,657.0	21.43	91.64	5,593.5	121.0	514.5	-116.6	2.16	1.96	2.63
5,751.0	21.84	90.61	5,680.9	120.3	549.1	-115.6	0.59	0.44	-1.10
5,846.0	22.01	86.30	5,769.0	121.3	584.5	-116.3	1.70	0.18	-4.54

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6,035.0	20.40	78.22	5,945.3	130.3	652.2	-124.7	1.76	-0.85	-4.28
6,129.0	19.51	80.24	6,033.6	136.3	683.7	-130.4	1.20	-0.95	2.15
6,318.0	19.00	83.64	6,212.0	145.0	745.3	-138.7	0.65	-0.27	1.80
6,413.0	17.48	85.04	6,302.3	148.0	774.9	-141.3	1.67	-1.60	1.47
6,507.0	18.23	85.05	6,391.7	150.5	803.6	-143.6	0.80	0.80	0.01
6,602.0	21.24	85.19	6,481.1	153.2	835.6	-146.0	3.17	3.17	0.15
6,696.0	22.68	85.63	6,568.3	156.0	870.6	-148.6	1.54	1.53	0.47
6,791.0	20.91	84.96	6,656.5	158.9	905.8	-151.1	1.88	-1.86	-0.71
6,886.0	20.88	84.29	6,745.3	162.1	939.5	-154.0	0.25	-0.03	-0.71
7,075.0	19.28	82.97	6,922.8	169.2	1,004.0	-160.6	0.88	-0.85	-0.70
7,170.0	19.37	83.60	7,012.4	172.9	1,035.2	-164.0	0.24	0.09	0.66
7,265.0	19.42	81.23	7,102.0	177.1	1,066.5	-167.9	0.83	0.05	-2.49
7,360.0	18.95	79.51	7,191.8	182.3	1,097.3	-172.9	0.77	-0.49	-1.81
7,454.0	18.20	79.13	7,280.9	187.8	1,126.7	-178.2	0.81	-0.80	-0.40
7,549.0	17.29	78.81	7,371.4	193.4	1,155.1	-183.5	0.96	-0.96	-0.34
7,644.0	17.49	78.14	7,462.0	199.0	1,182.9	-188.9	0.30	0.21	-0.71
7,738.0	16.76	77.40	7,551.8	204.9	1,210.0	-194.6	0.81	-0.78	-0.79
7,833.0	15.69	76.87	7,643.1	210.8	1,235.9	-200.2	1.14	-1.13	-0.56
7,928.0	14.41	75.34	7,734.8	216.7	1,259.8	-205.9	1.41	-1.35	-1.61
8,022.0	13.99	75.47	7,825.9	222.5	1,282.1	-211.6	0.45	-0.45	0.14
8,117.0	12.00	76.26	7,918.5	227.8	1,302.8	-216.6	2.10	-2.09	0.83
8,211.0	8.98	75.21	8,010.9	232.0	1,319.4	-220.7	3.22	-3.21	-1.12
8,306.0	6.14	75.39	8,105.1	235.1	1,331.5	-223.7	2.99	-2.99	0.19
8,400.0	2.95	73.76	8,198.8	237.1	1,338.7	-225.6	3.40	-3.39	-1.73
8,494.0	0.73	24.35	8,292.7	238.3	1,341.3	-226.8	2.70	-2.36	-52.56
8,589.0	0.52	325.62	8,387.7	239.2	1,341.3	-227.7	0.67	-0.22	-61.82
8,683.0	0.72	281.94	8,481.7	239.7	1,340.5	-228.2	0.53	0.21	-46.47
8,777.0	2.12	247.43	8,575.7	239.1	1,338.3	-227.7	1.68	1.49	-36.71
8,872.0	3.30	227.84	8,670.6	236.6	1,334.6	-225.2	1.56	1.24	-20.62
8,967.0	4.25	215.88	8,765.4	231.9	1,330.5	-220.5	1.29	1.00	-12.59
9,061.0	1.38	194.37	8,859.2	228.0	1,328.2	-216.6	3.20	-3.05	-22.88
9,155.0	0.21	293.02	8,953.2	227.0	1,327.8	-215.6	1.52	-1.24	104.95
9,250.0	0.53	316.15	9,048.2	227.4	1,327.3	-216.0	0.37	0.34	24.35
9,344.0	0.59	318.73	9,142.2	228.0	1,326.7	-216.7	0.07	0.06	2.74
9,438.0	0.83	310.86	9,236.2	228.9	1,325.9	-217.5	0.28	0.26	-8.37
9,533.0	0.79	313.92	9,331.2	229.8	1,324.9	-218.4	0.06	-0.04	3.22
9,627.0	0.74	296.56	9,425.2	230.5	1,323.9	-219.2	0.25	-0.05	-18.47
9,721.0	0.95	247.14	9,519.2	230.5	1,322.6	-219.1	0.78	0.22	-52.57
9,816.0	0.92	237.79	9,614.2	229.7	1,321.2	-218.4	0.16	-0.03	-9.84
9,910.0	1.05	258.38	9,708.2	229.2	1,319.7	-217.9	0.40	0.14	21.90
10,004.0	0.86	228.51	9,802.2	228.5	1,318.4	-217.2	0.56	-0.20	-31.78
10,099.0	1.34	222.37	9,897.1	227.2	1,317.1	-216.0	0.52	0.51	-6.46
10,288.0	1.81	223.27	10,086.1	223.4	1,313.6	-212.2	0.25	0.25	0.48

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10,382.0	1.95	209.47	10,180.0	221.0	1,311.7	-209.7	0.50	0.15	-14.68
10,450.0	2.24	214.30	10,248.0	218.8	1,310.4	-207.6	0.50	0.43	7.10
10,507.0	2.17	206.88	10,304.9	217.0	1,309.3	-205.8	0.52	-0.12	-13.02
10,554.0	7.14	183.48	10,351.8	213.3	1,308.7	-202.1	11.11	10.57	-49.79
10,601.0	12.90	177.23	10,398.0	205.1	1,308.8	-193.9	12.45	12.26	-13.30
10,648.0	16.32	178.30	10,443.5	193.2	1,309.3	-182.0	7.30	7.28	2.28
10,696.0	21.71	176.42	10,488.9	177.6	1,310.0	-166.4	11.30	11.23	-3.92
10,743.0	27.73	174.28	10,531.5	158.1	1,311.6	-146.8	12.95	12.81	-4.55
10,791.0	32.58	175.62	10,573.0	134.0	1,313.8	-122.8	10.20	10.10	2.79
10,838.0	38.52	179.11	10,611.3	106.8	1,314.9	-95.5	13.35	12.64	7.43
10,886.0	43.69	178.57	10,647.4	75.2	1,315.6	-64.0	10.80	10.77	-1.13
10,933.0	48.78	177.63	10,679.9	41.3	1,316.7	-30.1	10.93	10.83	-2.00
10,980.0	53.83	178.11	10,709.3	4.7	1,318.1	6.6	10.77	10.74	1.02
11,027.0	59.23	180.03	10,735.2	-34.5	1,318.7	45.8	11.98	11.49	4.09
11,075.0	62.66	182.17	10,758.5	-76.5	1,317.9	87.7	8.14	7.15	4.46
11,122.0	68.05	184.64	10,778.1	-119.1	1,315.3	130.3	12.42	11.47	5.26
11,170.0	72.13	183.45	10,794.4	-164.1	1,312.2	175.3	8.81	8.50	-2.48
11,217.0	77.03	182.13	10,806.9	-209.3	1,310.0	220.5	10.77	10.43	-2.81
11,265.0	83.01	180.98	10,815.3	-256.6	1,308.7	267.7	12.68	12.46	-2.40
11,327.0	88.05	180.70	10,820.1	-318.3	1,307.8	329.5	8.14	8.13	-0.45
11,422.0	89.10	181.02	10,822.4	-413.3	1,306.3	424.5	1.16	1.11	0.34
11,517.0	91.69	180.04	10,821.8	-508.3	1,305.5	519.4	2.91	2.73	-1.03
11,611.0	93.58	179.50	10,817.5	-602.2	1,305.8	613.3	2.09	2.01	-0.57
11,705.0	93.52	179.64	10,811.6	-696.0	1,306.5	707.1	0.16	-0.06	0.15
11,800.0	92.23	179.33	10,806.9	-790.9	1,307.4	802.0	1.40	-1.36	-0.33
11,894.0	91.29	178.57	10,804.0	-884.8	1,309.1	896.0	1.29	-1.00	-0.81
11,989.0	91.82	178.81	10,801.4	-979.8	1,311.3	990.9	0.61	0.56	0.25
12,083.0	90.69	178.44	10,799.4	-1,073.7	1,313.5	1,084.9	1.26	-1.20	-0.39
12,178.0	90.00	177.90	10,798.8	-1,168.7	1,316.6	1,179.9	0.92	-0.73	-0.57
12,272.0	91.10	178.77	10,797.9	-1,262.6	1,319.3	1,273.8	1.49	1.17	0.93
12,367.0	90.94	179.35	10,796.2	-1,357.6	1,320.9	1,368.8	0.63	-0.17	0.61
12,462.0	90.85	178.87	10,794.7	-1,452.6	1,322.3	1,463.8	0.51	-0.09	-0.51
12,556.0	90.21	179.00	10,793.8	-1,546.5	1,324.1	1,557.8	0.69	-0.68	0.14
12,651.0	91.18	179.87	10,792.7	-1,641.5	1,325.0	1,652.8	1.37	1.02	0.92
12,745.0	89.54	179.34	10,792.1	-1,735.5	1,325.7	1,746.8	1.83	-1.74	-0.56
12,840.0	90.04	179.66	10,792.4	-1,830.5	1,326.5	1,841.8	0.62	0.53	0.34
12,934.0	90.57	179.98	10,791.9	-1,924.5	1,326.8	1,935.8	0.66	0.56	0.34
13,029.0	91.31	180.47	10,790.4	-2,019.5	1,326.4	2,030.8	0.93	0.78	0.52
13,123.0	89.75	180.04	10,789.5	-2,113.5	1,326.0	2,124.7	1.72	-1.66	-0.46
13,218.0	89.98	179.70	10,789.7	-2,208.5	1,326.2	2,219.7	0.43	0.24	-0.36
13,312.0	90.78	179.56	10,789.1	-2,302.5	1,326.8	2,313.7	0.86	0.85	-0.15
13,407.0	91.61	179.67	10,787.1	-2,397.5	1,327.5	2,408.7	0.88	0.87	0.12
13,501.0	88.80	178.06	10,786.8	-2,491.4	1,329.3	2,502.7	3.45	-2.99	-1.71
13,596.0	89.03	177.86	10,788.6	-2,586.3	1,332.7	2,597.6	0.32	0.24	-0.21

Company: Cimarex
Project: Lea County, NM (NAD 83)
Site: (Mescalero Ridge) Sec21_T-19-S_R-34-E
Well: Mescalero Ridge 21 Fed #1H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Mescalero Ridge 21 Fed #1H
TVD Reference: KB @ 3786.4usft (H&P 393)
MD Reference: KB @ 3786.4usft (H&P 393)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 10_13

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,690.0	89.87	177.84	10,789.5	-2,680.3	1,336.2	2,691.6	0.89	0.89	-0.02
13,785.0	90.69	178.31	10,789.0	-2,775.2	1,339.4	2,786.6	0.99	0.86	0.49
13,879.0	91.46	178.35	10,787.3	-2,869.2	1,342.2	2,880.5	0.82	0.82	0.04
13,974.0	92.37	178.58	10,784.1	-2,964.1	1,344.7	2,975.5	0.99	0.96	0.24
14,068.0	91.23	178.95	10,781.1	-3,058.0	1,346.7	3,069.4	1.27	-1.21	0.39
14,162.0	92.00	178.98	10,778.5	-3,151.9	1,348.4	3,163.4	0.82	0.82	0.03
14,257.0	90.60	178.91	10,776.3	-3,246.9	1,350.2	3,258.3	1.48	-1.47	-0.07
14,351.0	89.58	178.83	10,776.2	-3,340.9	1,352.0	3,352.3	1.09	-1.09	-0.09
14,446.0	90.69	179.33	10,776.0	-3,435.9	1,353.6	3,447.3	1.28	1.17	0.53
14,541.0	90.41	179.59	10,775.1	-3,530.9	1,354.5	3,542.3	0.40	-0.29	0.27
14,635.0	88.88	179.59	10,775.6	-3,624.9	1,355.1	3,636.3	1.63	-1.63	0.00
14,729.0	89.55	179.77	10,776.9	-3,718.8	1,355.7	3,730.3	0.74	0.71	0.19
14,824.0	90.64	180.17	10,776.8	-3,813.8	1,355.7	3,825.3	1.22	1.15	0.42
14,918.0	91.60	180.33	10,774.9	-3,907.8	1,355.3	3,919.3	1.04	1.02	0.17
15,013.0	89.98	180.17	10,773.6	-4,002.8	1,354.9	4,014.2	1.71	-1.71	-0.17
15,107.0	89.33	179.91	10,774.2	-4,096.8	1,354.8	4,108.2	0.74	-0.69	-0.28
15,201.0	90.03	180.23	10,774.7	-4,190.8	1,354.7	4,202.2	0.82	0.74	0.34
15,296.0	91.11	180.57	10,773.8	-4,285.8	1,354.0	4,297.2	1.19	1.14	0.36
15,390.0	92.03	180.82	10,771.2	-4,379.8	1,352.9	4,391.2	1.01	0.98	0.27
15,485.0	92.86	180.93	10,767.1	-4,474.7	1,351.4	4,486.0	0.88	0.87	0.12
15,568.0	93.55	180.78	10,762.5	-4,557.5	1,350.2	4,568.9	0.85	0.83	-0.18
LAST SVY									
15,630.0	93.55	180.78	10,758.7	-4,619.4	1,349.4	4,630.8	0.00	0.00	0.00
PTD @ 15630.0' MD, 104' FSL, 670' FEL									

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (MR 21 Fed #1H - actual wellpath hits target center - Point	0.00	0.00	0.0	0.0	0.0	601,608.67	778,398.76	32° 39' 5.423 N	103° 33' 47.174 W
Vertical Box (MR #1H - actual wellpath hits target center - Rectangle (sides W1,520.0 H60.0 D0.0)	0.00	0.00	0.0	0.0	0.0	601,608.67	778,398.76	32° 39' 5.423 N	103° 33' 47.174 W
PBHL (MR 21 Fed #1 - actual wellpath misses target center by 15.5usft at 15630.0usft MD (10758.7 TVD, -4619.4 N, 1349.4 E) - Rectangle (sides W50.0 H4,398.0 D20.0)	0.52	359.51	10,770.0	-4,623.7	1,359.1	596,985.01	779,757.85	32° 38' 19.576 N	103° 33' 31.672 W



Microsoft
Survey Report



Company: Cimarex
Project: Lea County, NM (NAD 83)
Site: (Mescalero Ridge) Sec21_T-19-S_R-34-E
Well: Mescalero Ridge 21 Fed #1H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Mescalero Ridge 21 Fed #1H
TVD Reference: KB @ 3786.4usft (H&P 393)
MD Reference: KB @ 3786.4usft (H&P 393)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 10_13

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,568.0	10,762.5	-4,557.5	1,350.2	LAST SVY
15,630.0	10,758.7	-4,619.4	1,349.4	PTD @ 15630.0' MD, 104' FSL, 670' FEL

Checked By: _____ Approved By: _____ Date: _____

INTREPID

Cimarex
Project: Los Cominos (MAD 83)
Site: (Mesquero Ridge) Sec 21, T-19-S R-34-E
Well: Mesquero Ridge 21 Fed #1H
Design: AMB
Wellbore: OWS
Lgt: 32' 35" 6.423 N
Long: 103° 35' 47" 174 W
Pad GL: 3760.4
KB: KB @ 3760.4 (HAP 302)

CIMAREX

WELL DETAILS: Mesquero Ridge 21 Fed #1H

SECTION DETAILS

No plan data is available

DESIGN TARGET DETAILS

FORMATION TOP DETAILS

No formation data is available

